CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

CATO-FM-59 Version No.: A/1

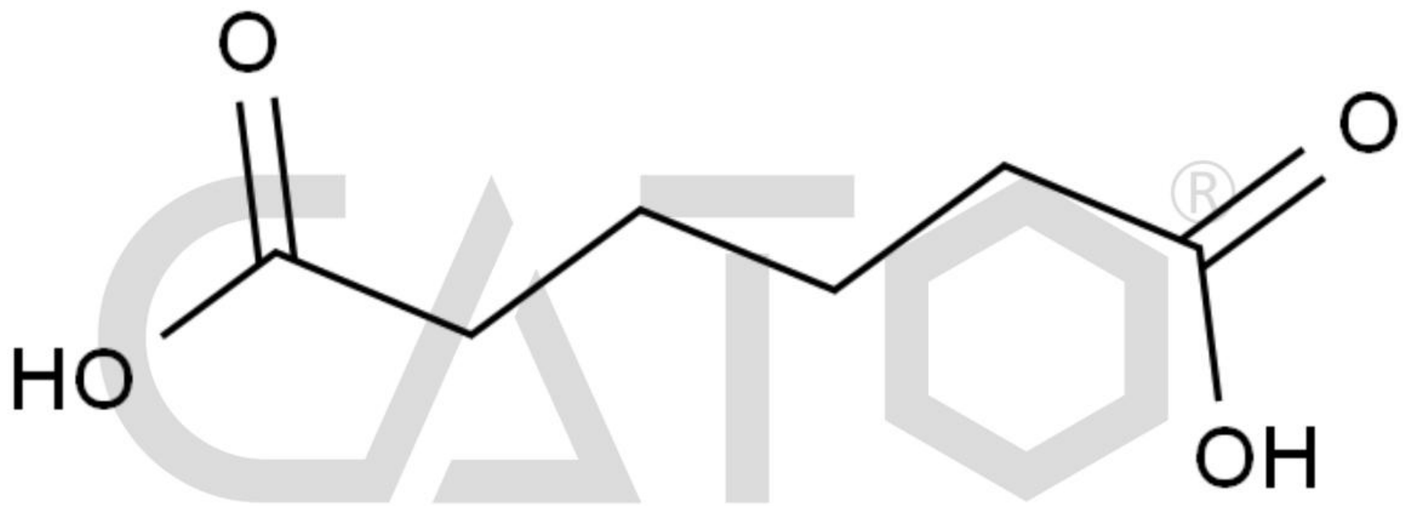
No.: 202610230232

Certificate of Analysis

Reference Material & Standard

Product Name:	Adipic Acid	**Catalogue Number:**	CCFD200046
Synonyms:	N/A	**Lot Number:**	1026-RH-0114
CAS Number:	124-04-9	**Expiry Date:**	Nov 01, 2030
Molecular Formula:	$C_6H_{10}O_4$	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	146.14	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	GC	100.000%
Loss on Drying	TGA	0.0462%
Assay	Mass Balance	99.95%
Uncertainty		±0.2%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity GC (%) /100%*
Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SYSTEM CERTIFICATION SGS

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